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Appl. No. 10/529,796

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resistance of the temperature detector. In this method, the electricity is periodically carried to the heating ~~member~~ member. --

Please replace the paragraph beginning at page 6, line 19, with the following rewritten paragraph:

-- As described in "Electrostatic Capacitance Type Alcohol Concentration Sensor" (see Norio Mima Sanma, Ikuo Hayashi, Ichiro Haseya Hosotani, The Society of Automotive Engineers of Japan, Annual Congress Preliminary Printing Collection 936, 1993-10, pages 257 to 260) (which will be hereinafter referred to as "Non-Patent Document 1"), conventionally, an electrostatic capacitance type alcohol concentration sensor has been proposed. --

Please replace the paragraph beginning at page 9, line 12, with the following rewritten paragraph:

-- In consideration of such circumstances, it is an object of the present invention to provide an apparatus and method for identifying the liquid type of a ~~gasoline~~ gasoline which can identify the type of a gasoline accurately and rapidly by detecting an alcohol concentration in each of gasolines having different distillation characteristics and various compositions and correcting liquid type identification data on the gasolines based on a result. --

Please replace the paragraph beginning at page 14, line 24, with the following rewritten paragraph:

-- By such a structure, in accordance with the calibration curve data to be the correlation of the voltage output difference with the temperature for the predetermined reference gasoline which is prestored, the type of the gasoline is identified with the voltage output difference V0 obtained for the identified ~~gasoline~~ gasoline. ~~Therefore,~~ Therefore, it is possible to identify the type of the gasoline more accurately and rapidly. --

Please replace the paragraph beginning at page 19, line 12, with the following rewritten paragraph:

-- Moreover, the present invention is characterized in that the electrode wiring pattern is obtained by selectively etching a conductive metallic foil laminated on one of the surfaces of the base material resin film, thereby forming a wiring pattern taking a ~~predetermines~~ predetermined shape. --

Please replace the paragraph beginning at page 21, line 12, with the following rewritten paragraph:

-- Moreover, the present invention is characterized in that the electrode wiring pattern is obtained by selectively etching a conductive metallic thin film formed on one of surfaces of the substrate by sputtering, thereby forming a wiring pattern taking a ~~predetermines~~ predetermined shape. --

Please replace the paragraph beginning at page 31, line 18, with the following rewritten paragraph:

-- As shown in Fig. 6, moreover, the liquid type identifying sensor heater 25 includes a lead electrode 32 and a thin film chip portion 34. Moreover, the liquid type identifying sensor heater 25 is provided with a metallic fin 36 which is protruded into the gasoline liquid type identifying chamber 20 through the opening portion 22 for the liquid type identifying sensor from the mold resin 30 and which ~~is directly come in~~ comes into direct contact with the identified gasoline. The lead electrode 32, the thin film chip portion 34 and the fine 36 are mutually connected electrically through a bonding wire 38. --